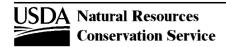
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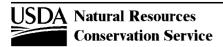
[This report lists only those map unit components that are rated as hydric. Dashes (---) in any column indicate that the data were not included in the database. Definitions of hydric criteria codes are included at the end of the report]

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
6A: Scarboro mucky fine sandy loam, 0 to 3 percent slopes	Scarboro	80	Depressions, Drainageways	Yes	2, 3
	Swansea	10	Swamps	Yes	1, 3
	Walpole	5	Depressions	Yes	2
	Wareham	5	Depressions	Yes	2
9A: Birdsall silt loam, 0 to 3 percent slopes	Birdsall	85	Depressions	Yes	2, 3
	FREETOWN	5	Bogs	Yes	1
	MAYBID	5	Depressions	Yes	2, 3
	RAYNHAM	5	Depressions	Yes	2
12A: Maybid silt loam, 0 to 3 percent slopes	Maybid	85	Depressions, Depressions	Yes	2, 3
	SCANTIC	12	Depressions	Yes	2
	SWANSEA	3	Bogs	Yes	1
16A: Scantic silt loam, 0 to 3 percent slopes	Scantic	85	Depressions, Drainageways	Yes	2
	MAYBID	10	Depressions	Yes	2, 3
16B: Scantic silt loam, 3 to 8 percent slopes	Scantic	85	Depressions, Drainageways	Yes	2
	MAYBID	10	Depressions	Yes	2, 3
21A: Walpole variant fine sandy loam, 0 to 3 percent slopes	Walpole variant	85	Depressions, Terraces	Yes	2
(SCARBORO	10	Terraces	Yes	2, 3



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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
30A:					
Raynham silt loam, 0 to 3 percent slopes	Raynham	75	Depressions	Yes	2
	BIRDSALL	5	Depressions	Yes	2, 3
	WALPOLE VARIANT	5	Terraces	Yes	2
31A: Walpole sandy loam, 0 to 3 percent slopes	Walpole	80	Depressions	Yes	2
·	Scarboro	10	Outwash terraces	Yes	2, 3
31B: Walpole fine sandy loam, 3 to 8 percent slopes	Walpole	85	Depressions, Terraces	Yes	2
1	SCARBORO	10	Terraces	Yes	2, 3
32A: Wareham loamy sand, 0 to 3 percent slopes	Wareham	85	Terraces	Yes	2
	SCARBORO	15	Terraces	Yes	2, 3
32B: Wareham loamy sand, 3 to 8 percent slopes	Wareham	85	Terraces	Yes	2
	SCARBORO	15	Terraces	Yes	2, 3
38A: Pipestone loamy sand, 0 to 3 percent slopes	Pipestone	80	Terraces	Yes	2
	WAREHAM	10	Terraces	Yes	2
	SCARBORO	7	Terraces	Yes	2, 3
40A: Swanton fine sandy loam, 0 to 3 percent slopes	Swanton	85	Depressions, Depressions, Depressions	Yes	2
	WHATELY VARIANT	10	Depressions	Yes	2
40B: Swanton fine sandy loam, 3 to 8 percent slopes	Swanton	85	Depressions, Depressions, Depressions	Yes	2
	WHATELY VARIANT	10	Depressions	Yes	2

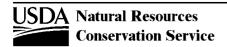


Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
51A:	Swansea	90	Surama	Vac	4.2
Swansea muck, 0 to 1 percent slopes	Swansea	80	Swamps	Yes	1, 3
	Freetown	10	Swamps	Yes	1, 3
	Scarboro	5	Depressions, Drainageways	Yes	2, 3
	Whitman	5	Depressions, Drainageways	Yes	2, 3
52A: Freetown muck, 0 to 1 percent slopes	Freetown	85	Depressions, Depressions	Yes	1, 3
	Scarboro	5	Depressions, Drainageways	Yes	2, 3
	Swansea	5	Depressions, Depressions	Yes	1, 3
	Whitman	5	Depressions, Drainageways	Yes	2, 3
57A:					
Leicester fine sandy loam, 0 to 3 percent slopes	Leicester	85	Depressions, Drainageways	Yes	2
	WHITMAN	8	Depressions	Yes	2, 3
67B: Leicester fine sandy loam, 3 to 8 percent slopes	Leicester	85	Depressions, Drainageways	Yes	2
	WHITMAN	7	Depressions	Yes	2, 3
70A:	D. L. L	0.5		V	
Ridgebury fine sandy loam, 0 to 3 percent slopes	Ridgebury	85	Depressions	Yes	2
	WHITMAN	10	Depressions	Yes	2, 3
OB:	Pidgohuny	Q.E	Doprossions	Voo	2
Ridgebury fine sandy loam, 3 to 8 percent slopes	Ridgebury	85	Depressions	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3

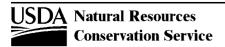


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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
72A:	Whitman	85	Depressions	Yes	2, 3
Whitman loam, 0 to 3 percent slopes	vviiluitati	05	Depressions	165	2, 3
	RIDGEBURY	10	Depressions	Yes	2
	LEICESTER	5	Depressions	Yes	2
73A: Whitman loam, 0 to 3 percent slopes, extremely stony	Whitman	85	Depressions	Yes	2, 3
	RIDGEBURY	10	Depressions	Yes	2
	LEICESTER	5	Depressions	Yes	2
96A: Hadley very fine sandy loam, 0 to 3 percent slopes	LIMERICK	5	Alluvial flats	Yes	2
	RUMNEY	5	Alluvial flats	Yes	2
	SACO VARIANT	5	Alluvial flats	Yes	2
98A: Winooski very fine sandy loam, 0 to 3 percent slopes	LIMERICK	10	Alluvial flats	Yes	2
	RUMNEY	10	Alluvial flats	Yes	2
	SACO VARIANT	10	Alluvial flats	Yes	2
225A: Belgrade very fine sandy loam, 0 to 3	RAYNHAM	10	Depressions	Yes	2
percent slopes 225B:					
Belgrade very fine sandy loam, 3 to 8 percent slopes	RAYNHAM	10	Depressions	Yes	2
225C: Belgrade very fine sandy loam, 8 to 15 percent slopes	RAYNHAM	5	Depressions	Yes	2
228A: Buxton silt loam, 0 to 3 percent slopes	SCANTIC	5	Depressions	Yes	2
228B: Buxton silt loam, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2
228C: Buxton silt loam, 8 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2



Map symbol and	Percent			Hydric	Hydric
map unit name	Component	of map unit	Landform	rating	criteria
230A:					
Unadilla very fine sandy loam, 0 to 3 percent slopes	RAYNHAM	10	Depressions	Yes	2
230B:					
Unadilla very fine sandy loam, 3 to 8 percent slopes	RAYNHAM	10	Depressions	Yes	2
240A:					
Elmwood fine sandy loam, 0 to 3 percent slopes	SWANTON	5	Depressions	Yes	2
240B:					
Elmwood fine sandy loam, 3 to 8 percent slopes	SWANTON	5	Depressions	Yes	2
253A:					
Hinckley loamy sand, 0 to 3 percent slopes	WAREHAM	2	Terraces	Yes	2
	SWANSEA	1	Bogs	Yes	1
253B:					
Hinckley loamy sand, 3 to 8 percent slopes	WAREHAM	2	Terraces	Yes	2
	SWANSEA	1	Bogs	Yes	1
253C:					
Hinckley loamy sand, 8 to 15 percent slopes	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2
256A:					
Deerfield loamy fine sand, 0 to 3 percent slopes	WAREHAM	5	Depressions	Yes	2
258A:					
Amostown fine sandy loam, 0 to 3 percent slopes	WALPOLE VARIANT	5	Terraces	Yes	2
258B:					
Amostown fine sandy loam, 3 to 8 percent slopes	WALPOLE VARIANT	10	Terraces	Yes	2
259A:					
Carver loamy coarse sand, 0 to 3 percent slopes	WAREHAM	5	Terraces	Yes	2
259B:					
Carver loamy coarse sand, 3 to 8 percent slopes	WAREHAM	5	Terraces	Yes	2
260A:					
Sudbury fine sandy loam, 0 to 3 percent slopes	WALPOLE	5	Terraces	Yes	2



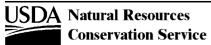
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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
260B:					
Sudbury fine sandy loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2
275A:					
Agawam fine sandy loam, 0 to 3 percent slopes	Walpole	3	Depressions	Yes	2
275B: Agawam fine sandy loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2
300B:					
Montauk fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2
300C:					
Montauk fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	3	Depressions	Yes	2
301B:					
Montauk fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2
301C:					
Montauk fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2
302C:					
Montauk fine sandy loam, 5 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2
305B:					
Paxton fine sandy loam, 3 to 8 percent slopes	Ridgebury	6	Depressions	Yes	2
305C:					
Paxton fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	3	Depressions	Yes	2
306B:					
Paxton fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2
306C:					
Paxton fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2
307C:					
Paxton fine sandy loam, 8 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2
310A:					
Woodbridge fine sandy loam, 0 to 3 percent slopes	RIDGEBURY	10	Depressions	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3
310P·					
310B: Woodbridge fine sandy loam, 3 to 8 percent slopes	Ridgebury	8	Depressions	Yes	2



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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
310C: Woodbridge fine condulers 8 to 15	DIDCEDLIDV	E	Depressions	Vac	2
Woodbridge fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	5	Depressions	Yes	2
311B:	D'deshare and a	0	Danisa	V	0
Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	Ridgebury, very stony	8	Depressions	Yes	2
311C: Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2
311D:					
Woodbridge fine sandy loam, 15 to 25 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2
312B:					
Woodbridge fine sandy loam, 0 to 8 percent slopes, extremely stony	Ridgebury, extremely stony	8	Depressions	Yes	2
312C: Woodbridge fine sandy loam, 8 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2
315B:					
Scituate fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	15	Depressions	Yes	2
	WHITMAN	10	Depressions	Yes	2, 3
315C:					
Scituate fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	5	Depressions	Yes	2
316B: Scituate fine sandy loam, 3 to 8	RIDGEBURY	20	Depressions	Yes	2
percent slopes, very stony	WHITMAN	5	Depressions	Yes	2, 3
		· ·	2 0 p. 10 0 0 1 1 1	. 00	_, 0
316C: Scituate fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	2	Depressions	Yes	2
410A:					
Sutton fine sandy loam, 0 to 3 percent slopes	LEICESTER	10	Depressions	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3
410B:					
Sutton fine sandy loam, 3 to 8 percent slopes	LEICESTER	10	Depressions	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3
410C: Sutton fine sandy loam, 8 to 15 percent slopes	LEICESTER	15	Depressions	Yes	2



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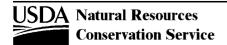
Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
11B:					
Sutton fine sandy loam, 3 to 8 percent slopes, very stony	LEICESTER	10	Depressions	Yes	2
	WHITMAN	10	Depressions	Yes	2, 3
11C:					
Sutton fine sandy loam, 8 to 15 percent slopes, very stony	LEICESTER	15	Depressions	Yes	2
20A:					
Canton fine sandy loam, 0 to 3 percent slopes	SWANSEA	5	Bogs	Yes	1
20B:					
Canton fine sandy loam, 3 to 8 percent slopes	SWANSEA	5	Bogs	Yes	1
20C:	OWANGEA		5	.,	
Canton fine sandy loam, 8 to 15 percent slopes	SWANSEA	3	Bogs	Yes	1
20D:	CMANCEA	2	Dogo	Vaa	4
Canton fine sandy loam, 15 to 25 percent slopes	SWANSEA	3	Bogs	Yes	1
21B:					
Canton fine sandy loam, 3 to 8 percent slopes, very stony	SWANSEA	5	Bogs	Yes	1
21C:					
Canton fine sandy loam, 8 to 15 percent slopes, very stony	SWANSEA	5	Bogs	Yes	1
22B:					
Canton fine sandy loam, 3 to 8 percent slopes, extremely stony	SWANSEA	5	Bogs	Yes	1
07:		_		.,	
Water, saline	Westbrook	5	Marshes	Yes	1, 3
52: Udorthents, refuse substratum	LEICESTER	4	Depressions	Yes	2
Duorments, refuse substratum	LEIGESTER	1	Depressions	162	2
	RAYNHAM	1	Depressions	Yes	2
	RIDGEBURY	1	Depressions	Yes	2
	SCARBORO	1	Terraces	Yes	2, 3
	WALPOLE	1	Terraces	Yes	2
	WHITMAN	1	Depressions	Yes	2, 3



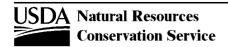
Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
702C:					
Udipsamments, 3 to 15 percent slopes	IPSWICH	5	Salt marshes	Yes	1, 3
	SCARBORO	5	Terraces	Yes	2, 3
	WESTBROOK	5	Tidal flats	Yes	1, 3
709B:					
Buxton-Rock outcrop complex, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2
709C:					
Buxton-Rock outcrop complex, 8 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2
711B:					
Charlton-Rock outcrop-Hollis complex, 3 to 8 percent slopes	RIDGEBURY	4	Depressions	Yes	2
711C:					
Charlton-Rock outcrop-Hollis complex, 8 to 15 percent slopes	RIDGEBURY	4	Depressions	Yes	2
711D:					
Charlton-Rock outcrop-Hollis complex, 15 to 25 percent slopes	RIDGEBURY	2	Depressions	Yes	2
712A:					
Ipswich and Westbrook mucky peats, 0 to 2 percent slopes, very frequently	Ipswich	55	Tidal marshes	Yes	1
flooded	Westbrook	30	Tidal marshes	Yes	1
	Pawcatuck	15	Tidal marshes	Yes	1
713A:					
Limerick and Rumney soils, 0 to 3 percent slopes	Limerick	60	Alluvial flats	Yes	2
•	Rumney	25	Alluvial flats	Yes	2
	SACO VARIANT	5	Alluvial flats	Yes	2
714B:					
Melrose fine sandy loam, 3 to 8 percent slopes	SWANTON	5	Depressions	Yes	2



Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
715A: Ridgebury and Leicester fine sandy loams, 0 to 3 percent slopes, extremely stony	Ridgebury	50	Depressions, Drainageways	Yes	2
owner, etc.,	Leicester	35	Depressions, Drainageways	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3
715B: Ridgebury and Leicester fine sandy loams, 3 to 8 percent slopes, extremely stony	Ridgebury	50	Depressions, Drainageways	Yes	2
,	Leicester	35	Depressions, Drainageways	Yes	2
	WHITMAN	5	Depressions	Yes	2, 3
716C: Rock outcrop-Buxton complex, 3 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2
716D: Rock outcrop-Buxton complex, 15 to 25 percent slopes	SCANTIC	5	Depressions	Yes	2
717C: Rock outcrop-Charlton-Hollis complex, 3 to 15 percent slopes	LEICESTER	5	Depressions	Yes	2
717E: Rock outcrop-Charlton-Hollis complex, 15 to 35 percent slopes	LEICESTER	5	Depressions	Yes	2
718A: Saco variant silt loam, 0 to 3 percent slopes	Saco variant	85	Alluvial flats	Yes	2
	LIMERICK	5	Alluvial flats	Yes	2
	RUMNEY	5	Alluvial flats	Yes	2
	SWANSEA	5	Bogs	Yes	1
719B: Suffield silt loam, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2



Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
720A: Whately variant fine sandy loam, 0 to 3	Whately variant	80	Depressions	Yes	2
percent slopes	SWANSEA	10	Bogs	Yes	1
	SWANTON	10	Depressions	Yes	2
721C: Windsor-Rock outcrop complex, 3 to 15 percent slopes	PIPESTONE	5	Terraces	Yes	2
· · · ·	SCARBORO	5	Terraces	Yes	2, 3
	WAREHAM	5	Terraces	Yes	2
721D: Windsor-Rock outcrop complex, 15 to 25 percent slopes	WAREHAM	8	Terraces	Yes	2
	SCARBORO	7	Terraces	Yes	2, 3



This table lists the map unit components that are rated as hydric soils in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 2002).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2003) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and others, 2002).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

The criteria for hydric soils are represented by codes in the table (for example, 2B3). Definitions for the codes are as follows:

- 1. All Histels except for Folistels, and Histosols except for Folists.
- 2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 - A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
 - B. are poorly drained or very poorly drained and have either:
 - 1) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
 - 2) a water table at a depth of 0.5 foot or less during the growing season if
 - permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
 - 3) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
- Soils that are frequently ponded for long or very long duration during the growing season.
- 4. Soils that are frequently flooded for long or very long duration during the growing season.

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